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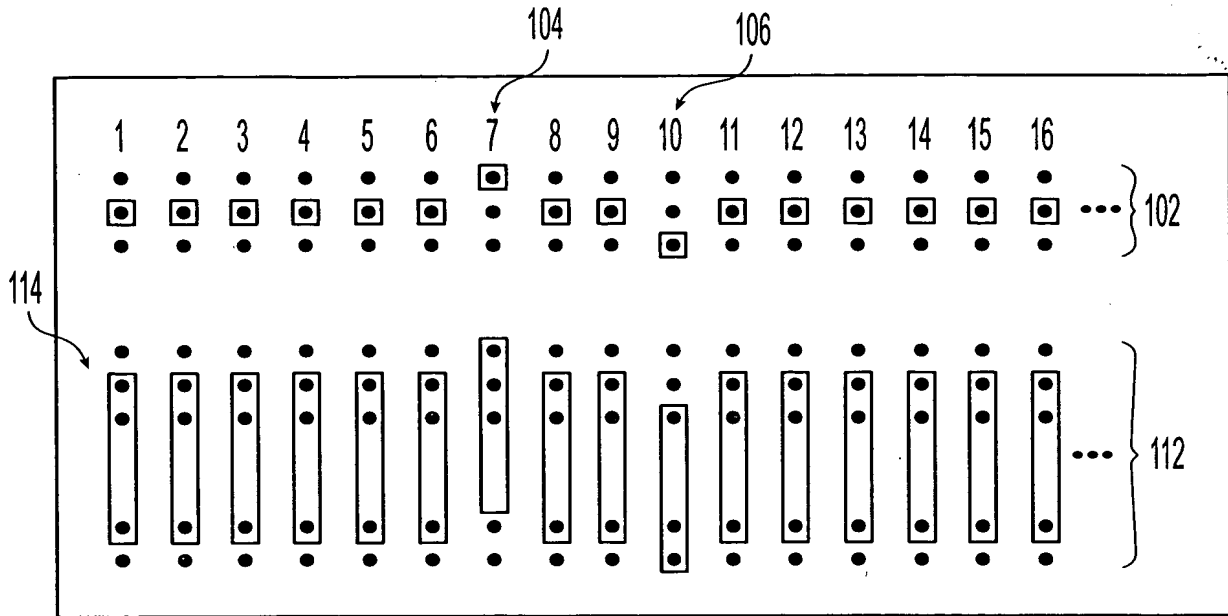


Fig. 1
(Prior Art)

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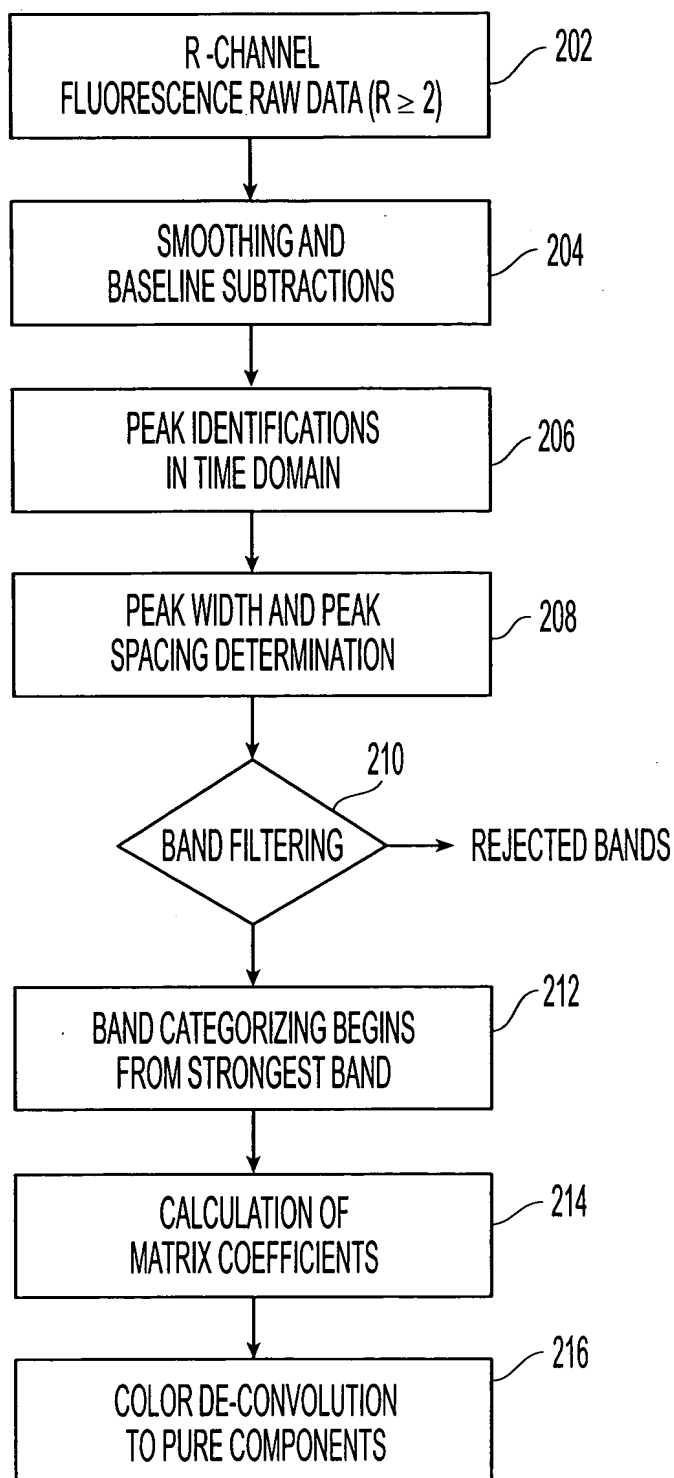


Fig. 2

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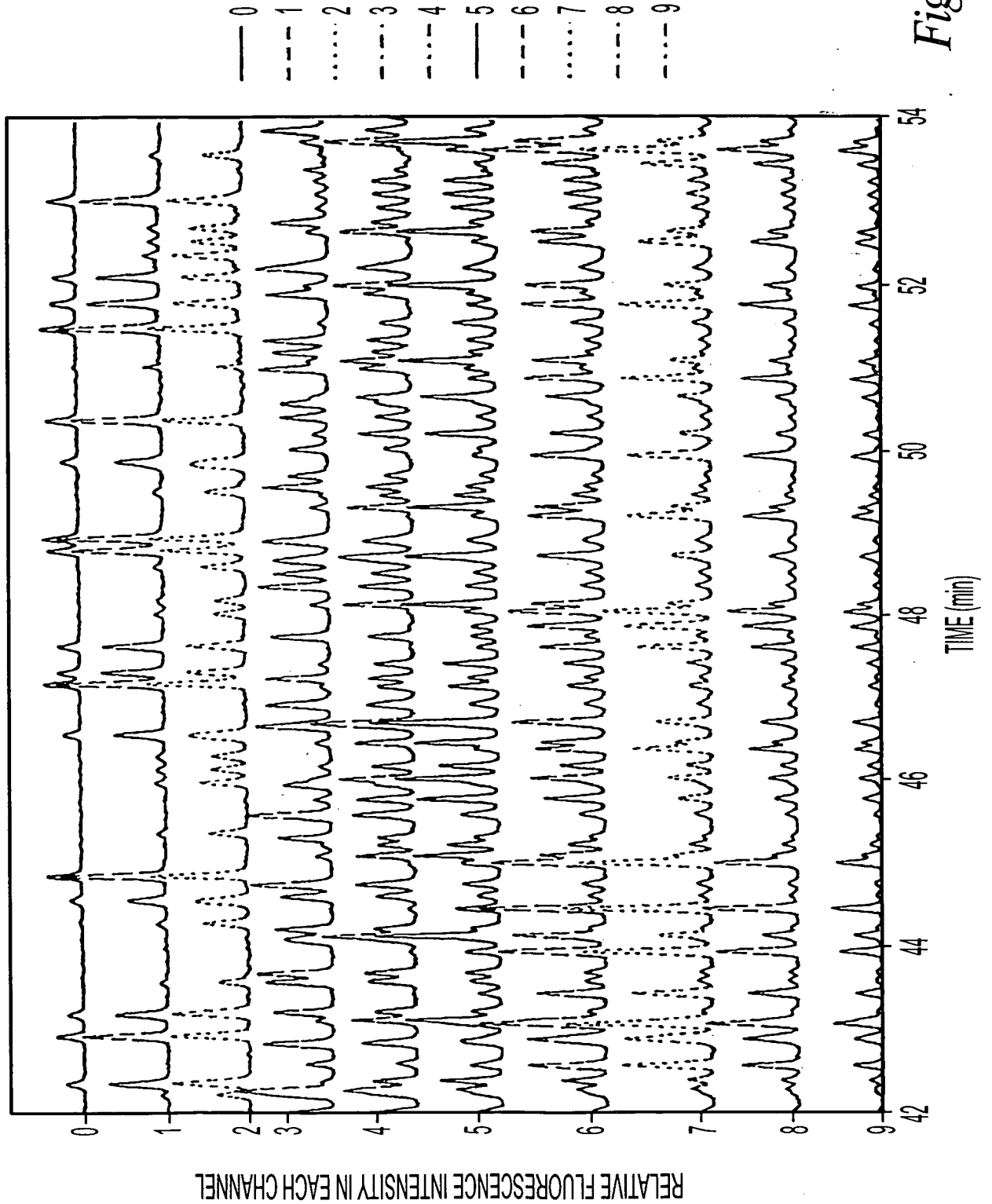
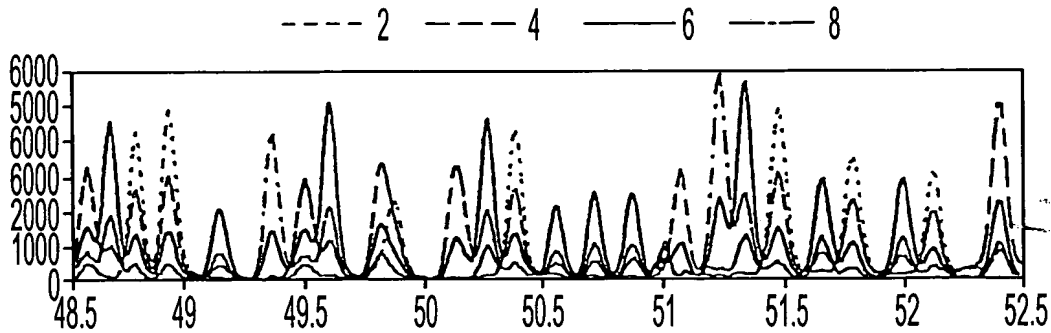


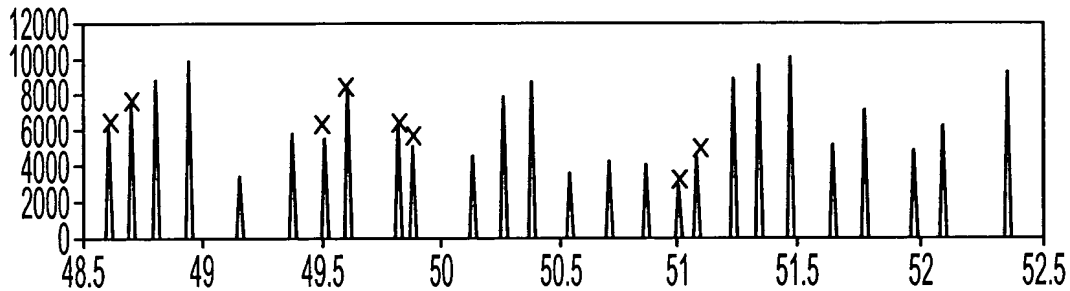
Fig. 3

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CLOSE-UP OF THE ELECTROPHEROGRAMS OF ONLY
FOUR SELECTED WAVELENGTH CHANNEL FOR SIMPLICITY.

Fig. 4a



REJECTED PEAK LABELLED WITH X BASED ON THE PEAK SPACING
CALCULATIONS AFTER THESE PEAKS IN A LOCAL SECTION HAVE BEEN PROCESSED.

Fig. 4b

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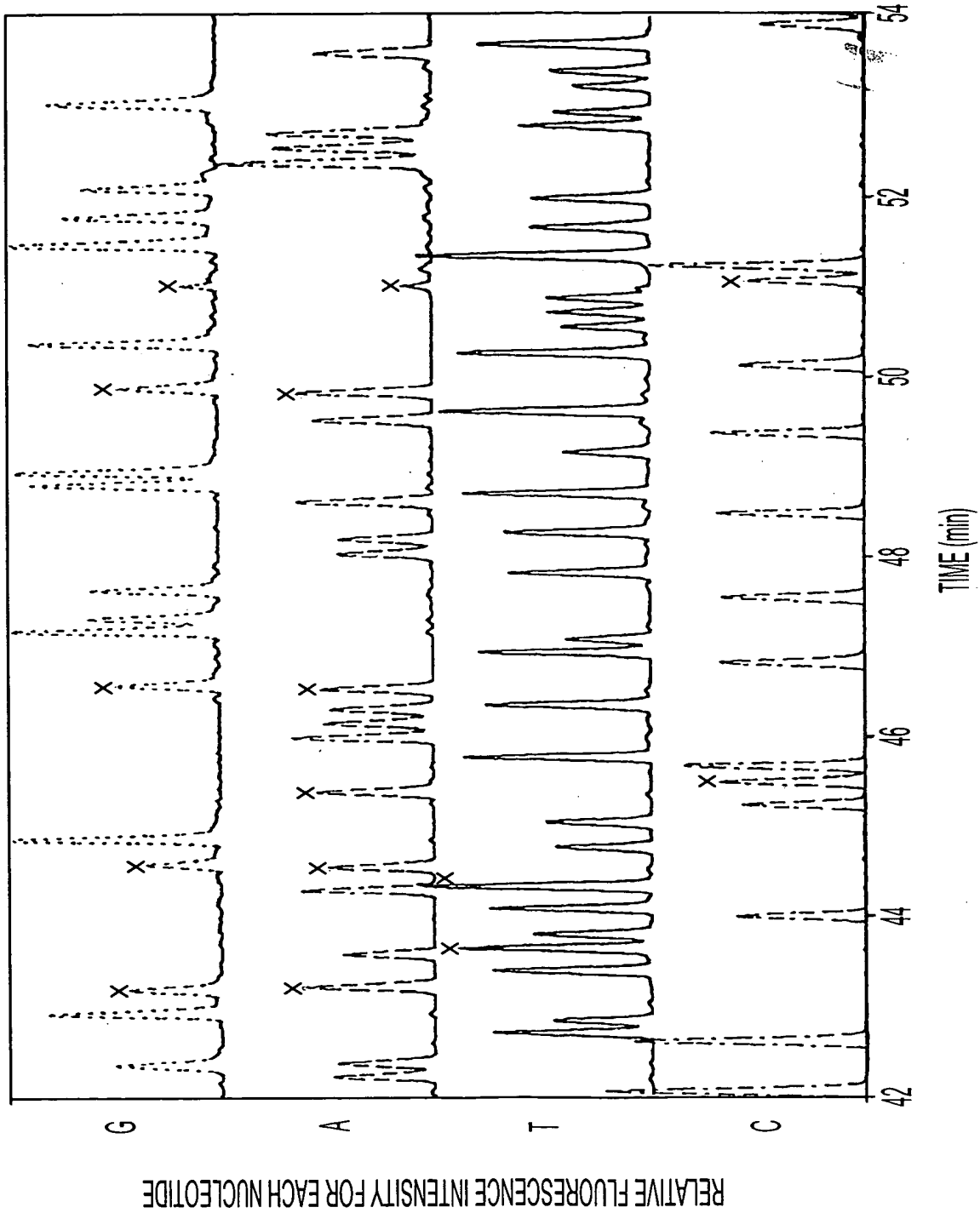


Fig. 5

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600

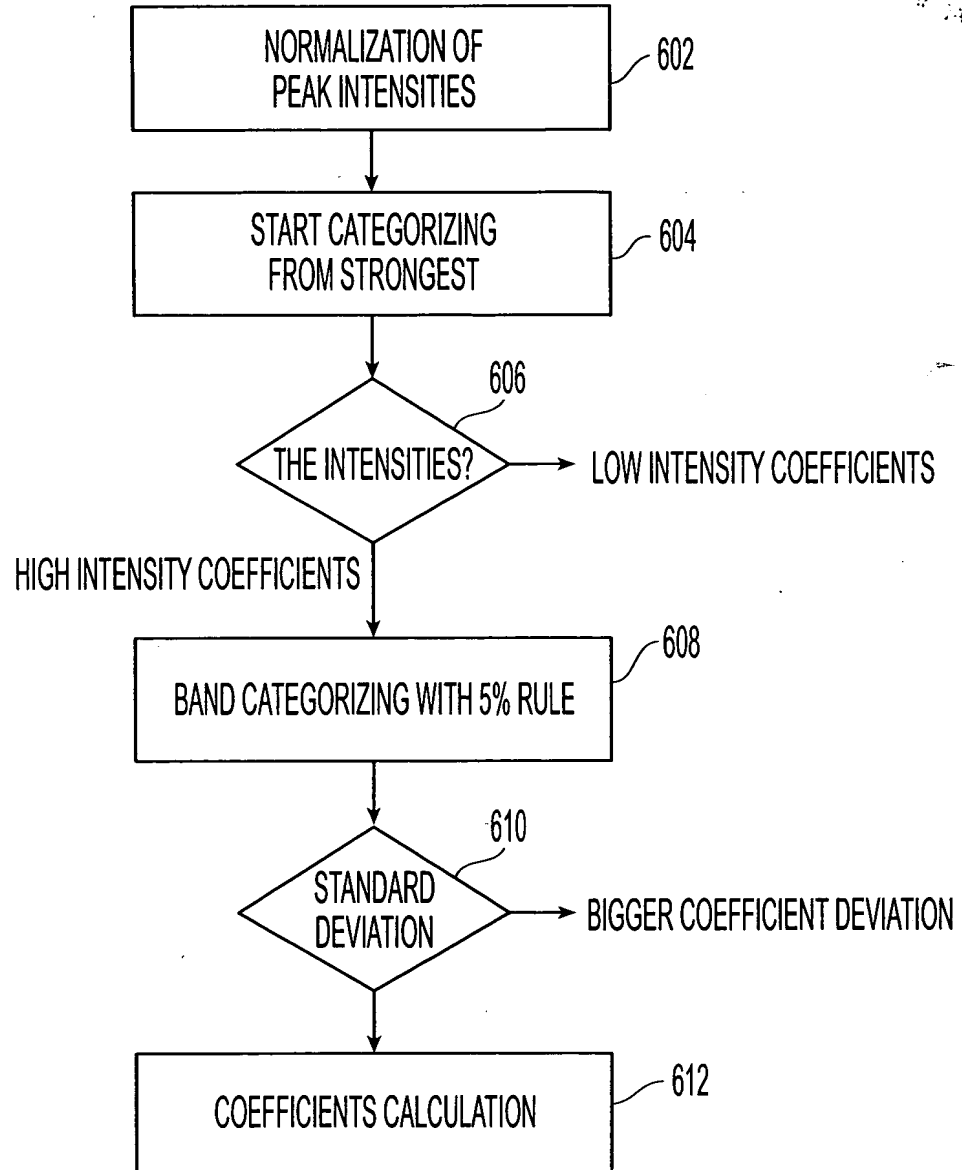


Fig. 6

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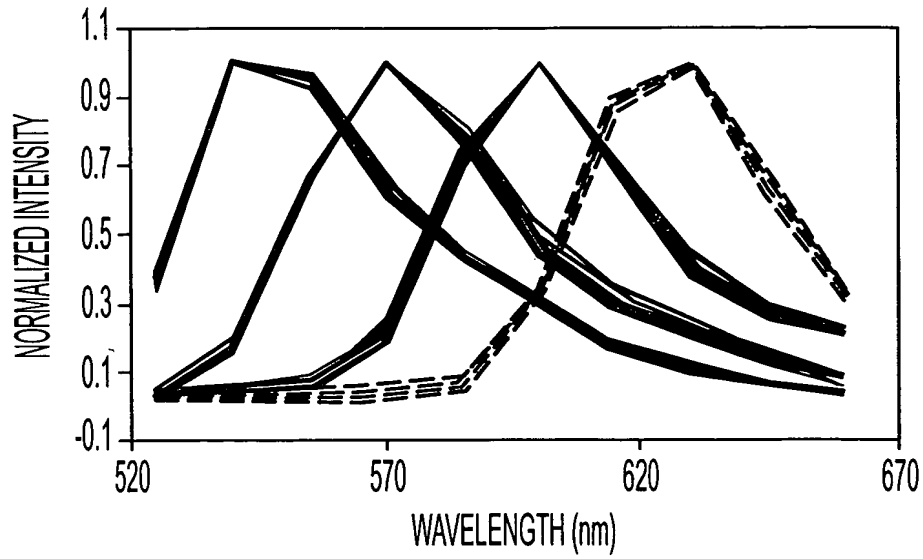


Fig. 7a

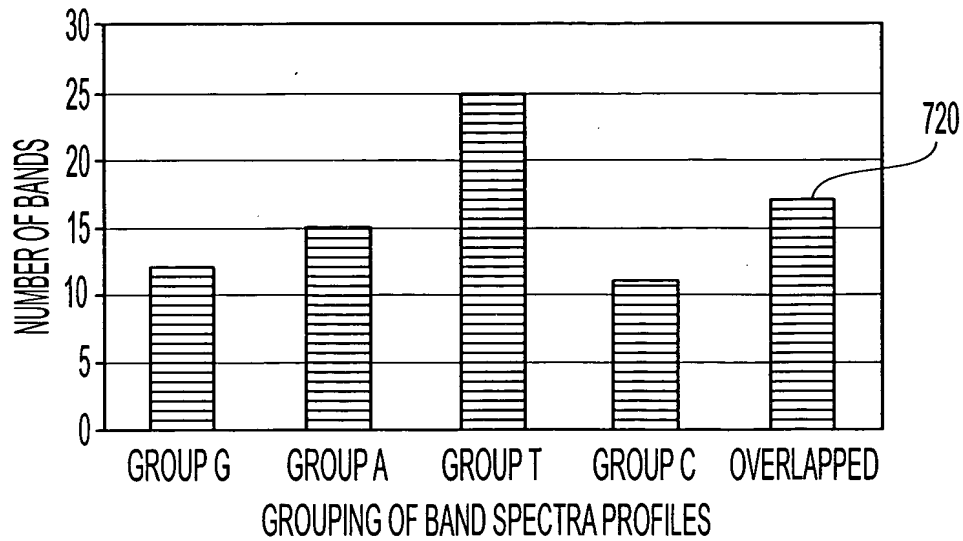


Fig. 7b

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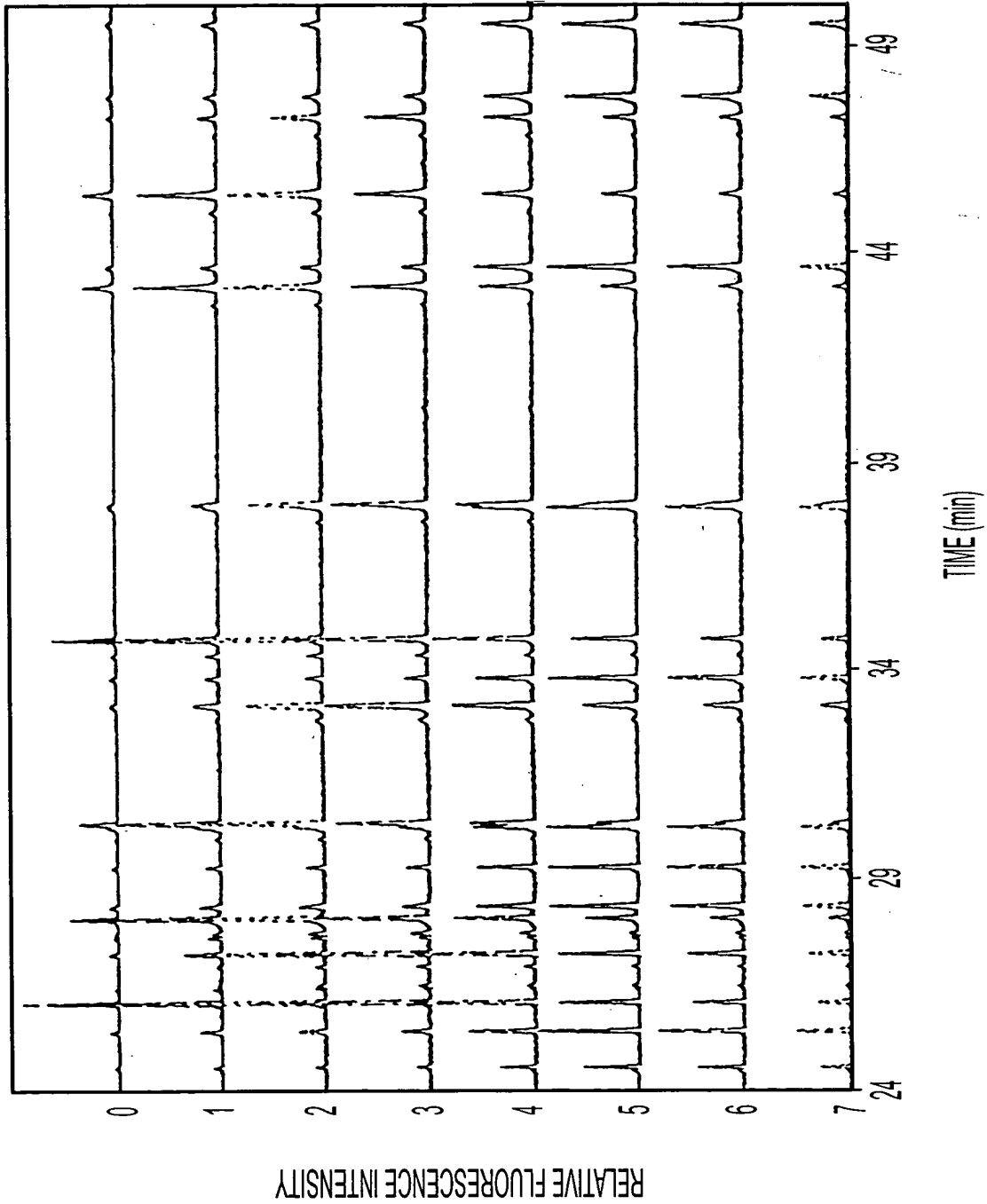


Fig. 8

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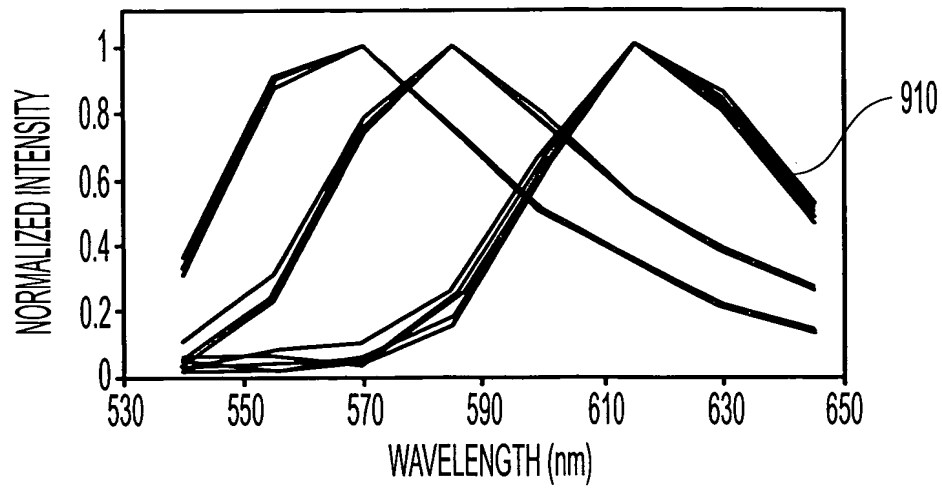


Fig. 9a

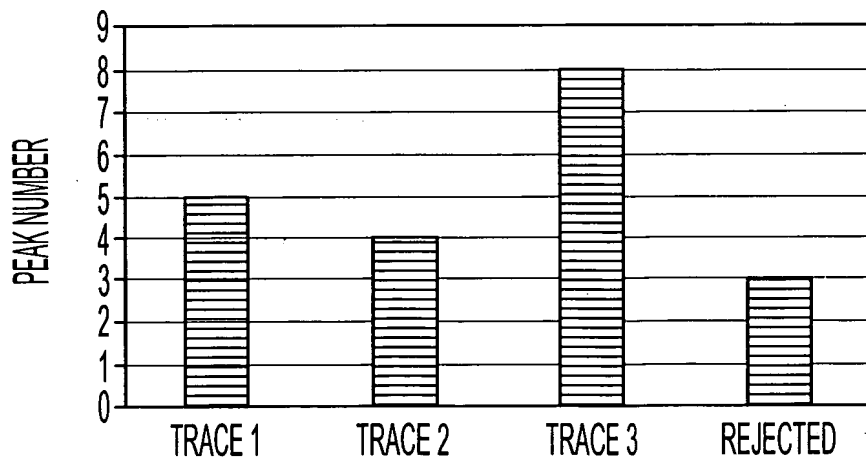


Fig. 9b

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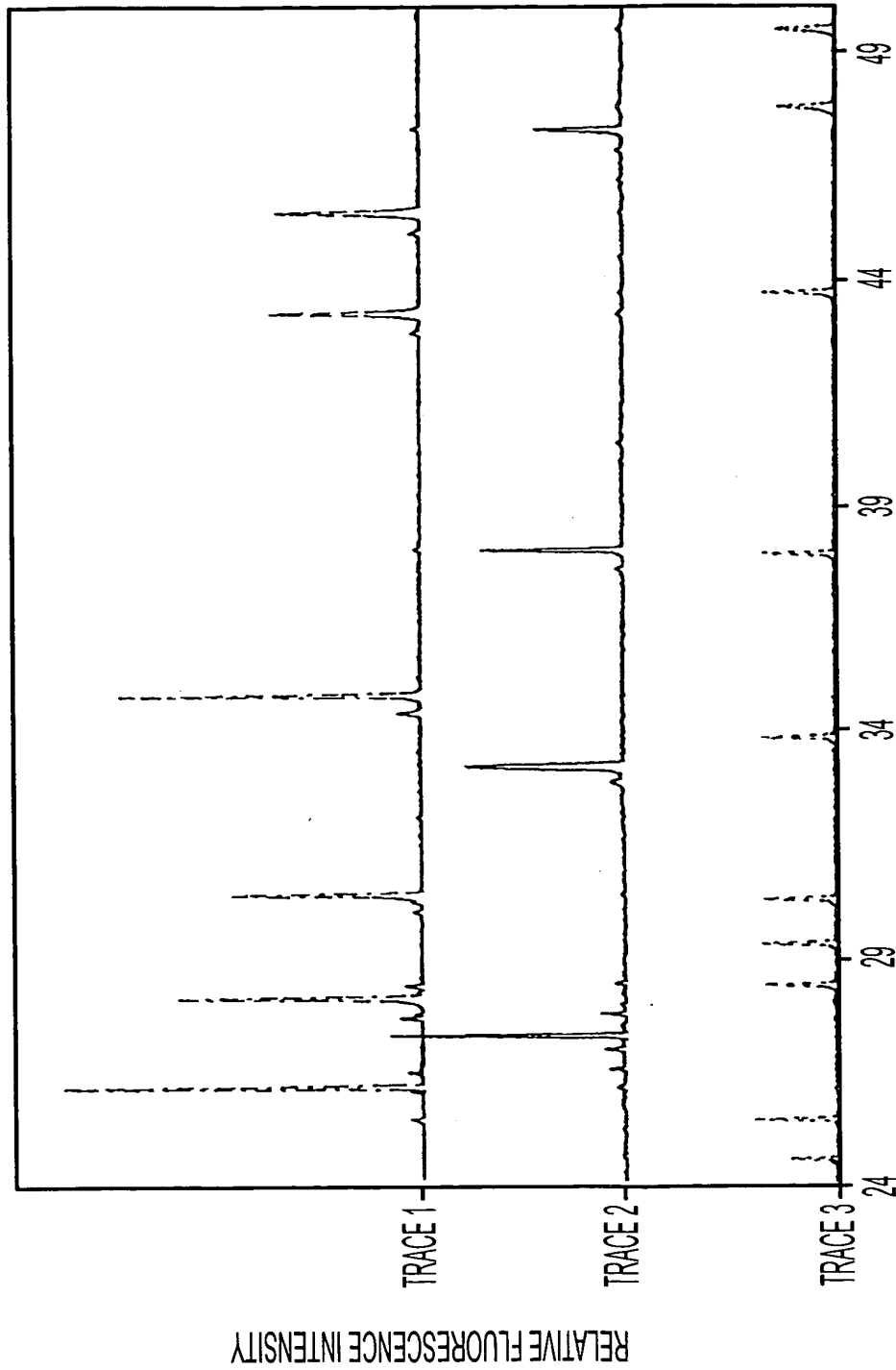


Fig. 10

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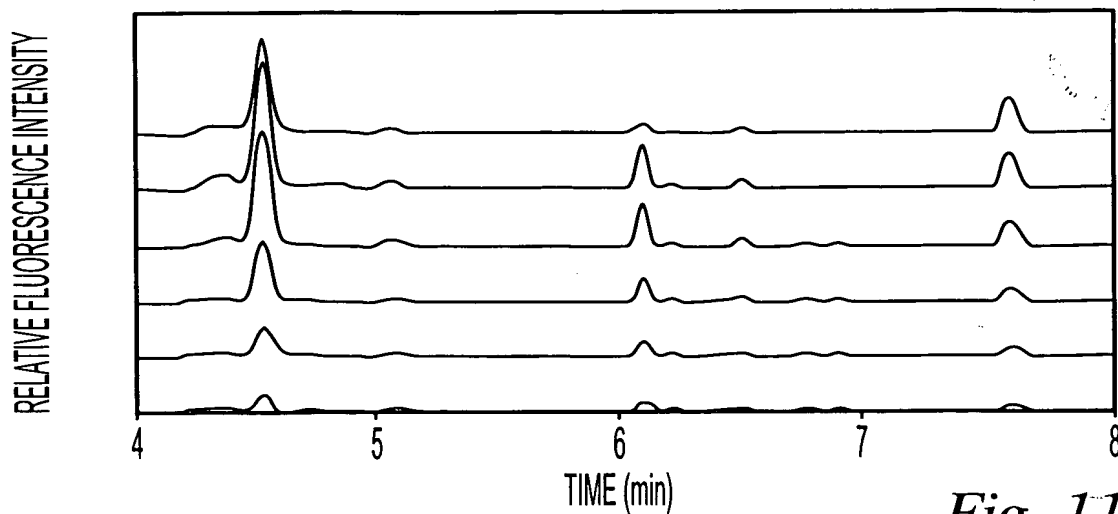


Fig. 11a

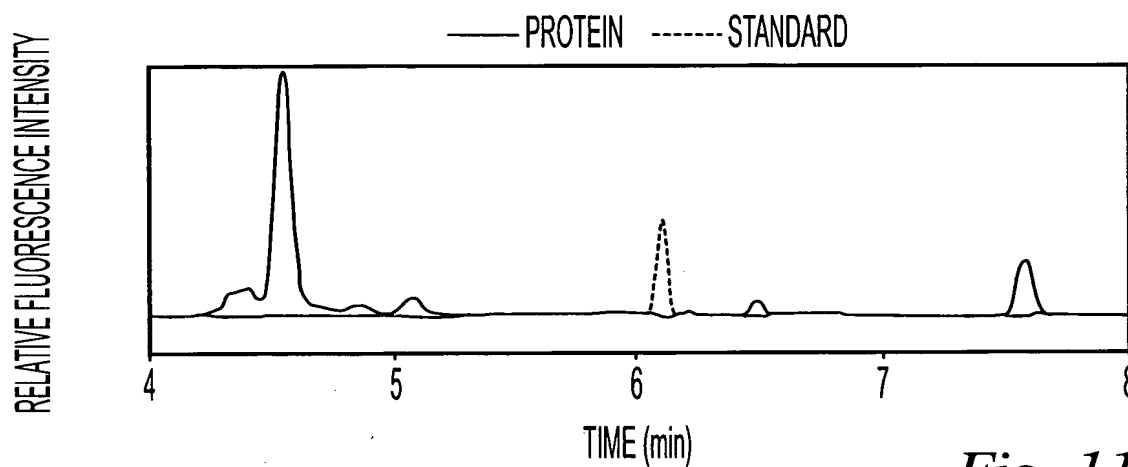


Fig. 11b

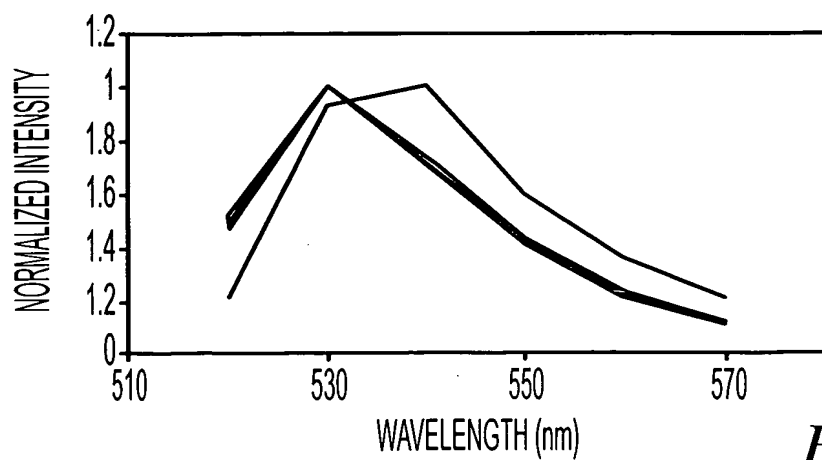


Fig. 11c

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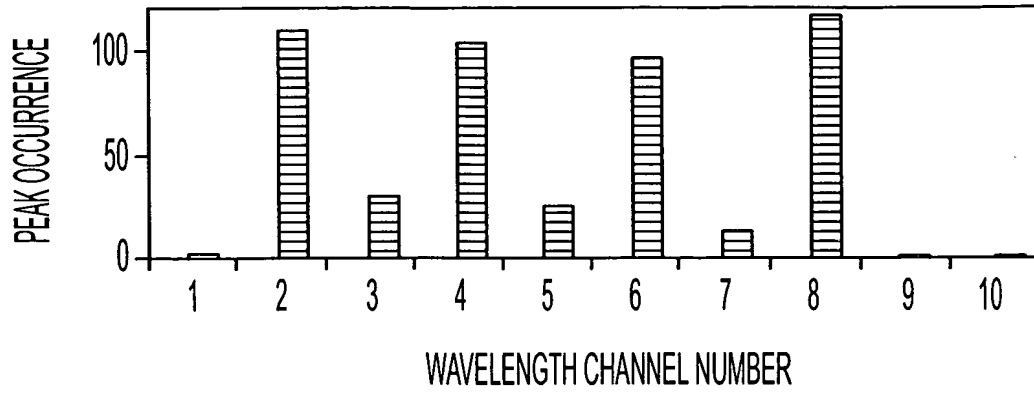


Fig. 12

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C	A	G	T
.408	.037	.021	.016
1	.205	.034	.021
.887	.722	.063	.023
.566	1	.244	.027
.394	.721	.754	.067
.265	.428	1	.359
.152	.287	.691	.925
.091	.202	.403	1
.059	.120	.274	.604
.040	.069	.202	.316

BigDye TERMINATOR SET

Fig. 13a

C	A	G	T
.448	.079	.026	.021
1	.379	.058	.027
.944	.847	.223	.035
.685	1	.670	.067
.451	.806	1	.274
.287	.557	.844	.765
.173	.373	.528	1
.108	.249	.357	.784
.116	.162	.248	.480
.050	.099	.163	.300

RHODAMINE TERMINATOR DYE SET

Fig. 13b

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C	A	G	T
.877	.333	.291	.379
1	.789	.358	.439
.840	1	.515	.404
.617	.771	.849	.386
.418	.488	1	.541
.279	.312	.802	.862
.205	.218	.557	1
.151	.150	.399	.834
.102	.095	.284	.563
.068	.061	.191	.365

ET PRIMER DYE SET

Fig. 13c

C	A	G	T
.317	.101	.084	.059
1	.932	.742	.199
.516	1	1	.607
.211	.426	.625	1
.107	.184	.263	.814
.048	.074	.122	.423
.025	.034	.049	.234
.137	.017	.024	.106
.000	.000	.000	.000
.000	.000	.000	.000

BODIPYPRIMER DYE SET

Fig. 13d

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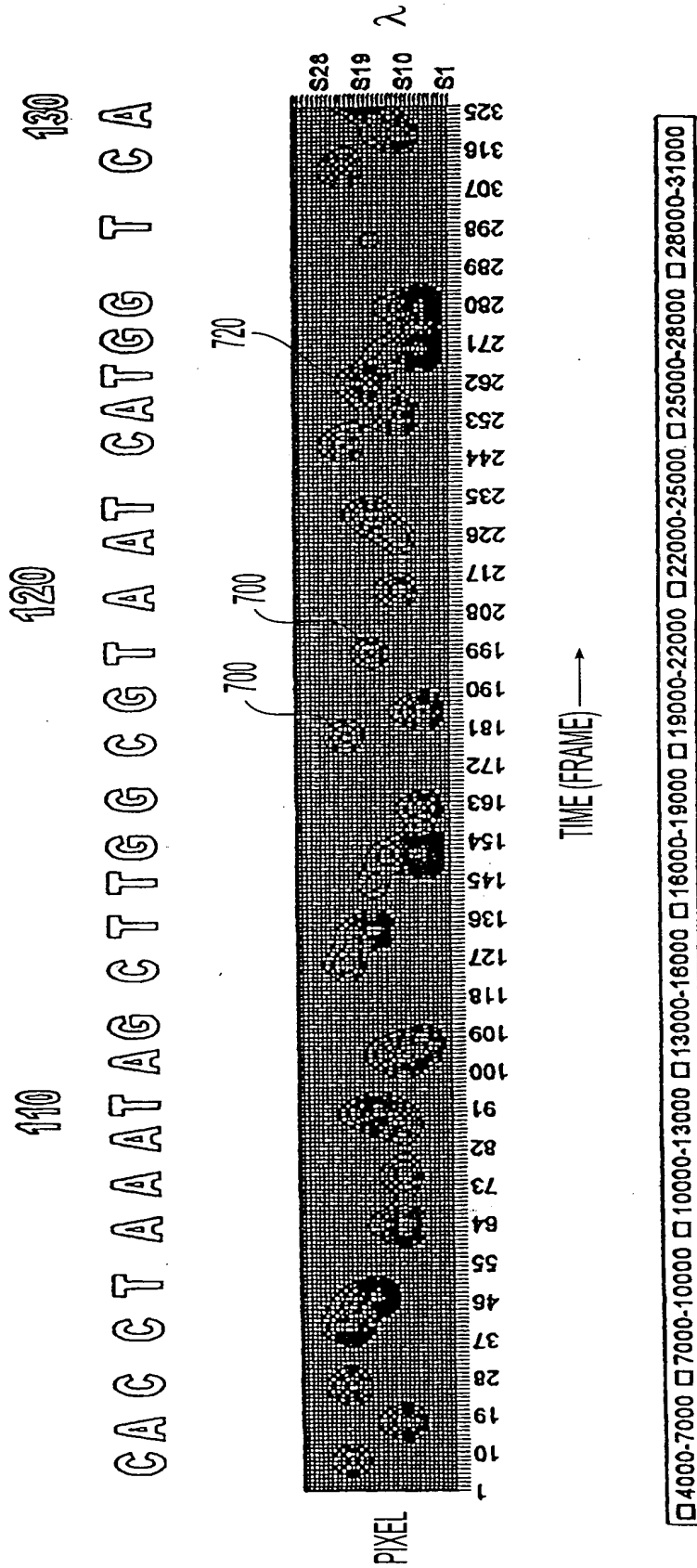


Fig. 14



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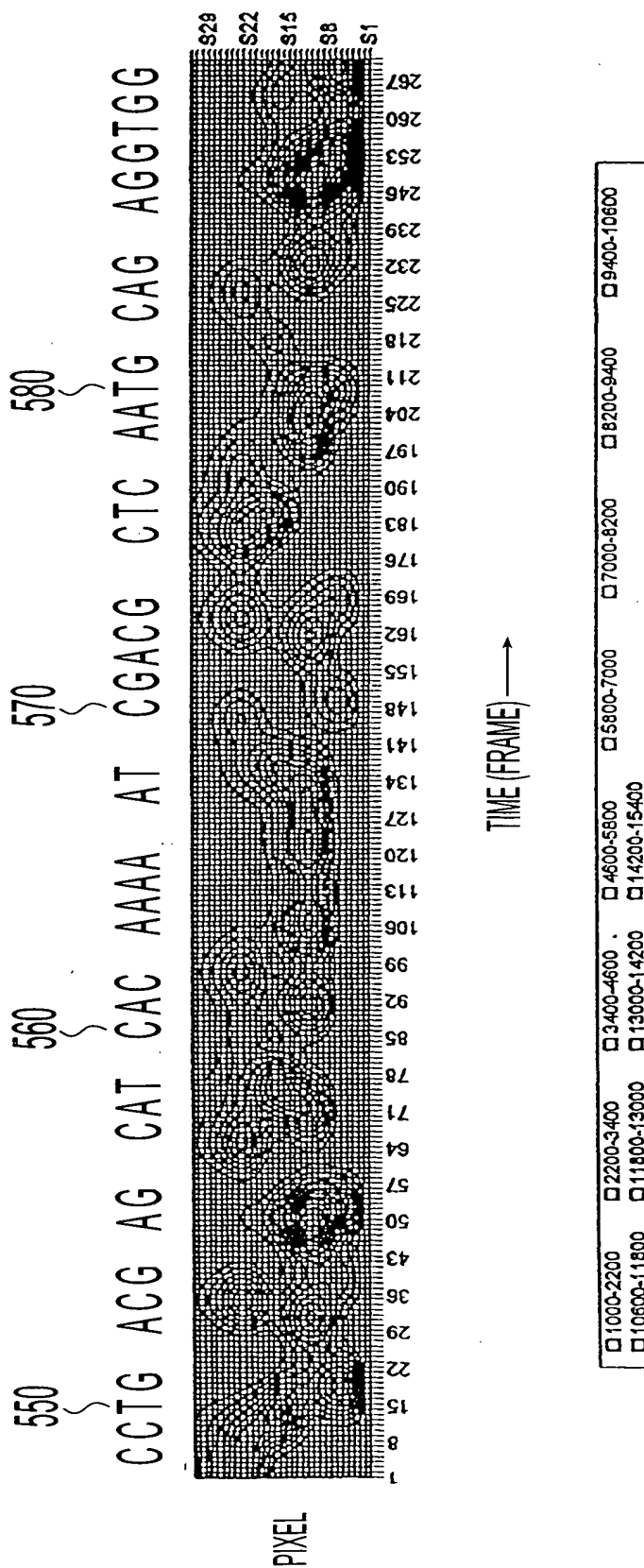


Fig. 16

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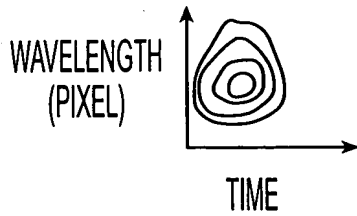


Fig. 17a

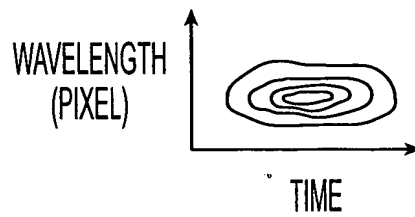


Fig. 17b

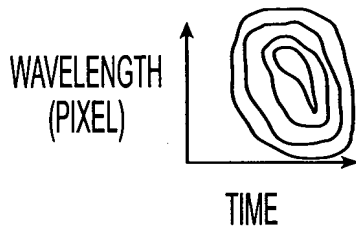


Fig. 17c

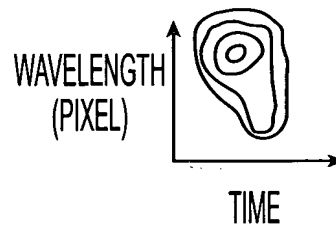


Fig. 17d

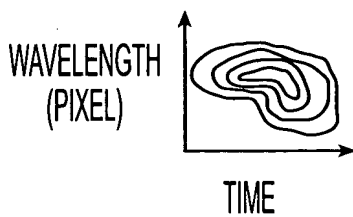


Fig. 17e

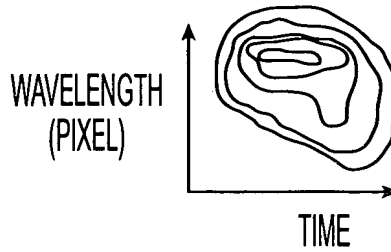


Fig. 17f

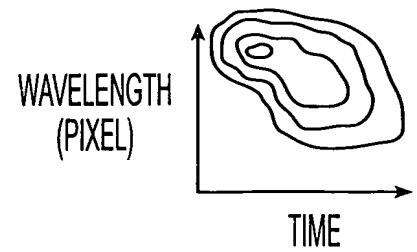


Fig. 17g